	1				9	09/9	41,54	fl_			
Time Stamp	2003/03/11	2003/03/11 14:31	2003/03/11 14:32	2003/03/11 14:33	2003/03/11 14:33	2003/03/11 14:33	2003/03/11 14:35	2003/03/11 14:36	2003/03/11 14:38	2003/03/11 14:39	2003/03/11 14:40
DBs	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	,	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB							
Search Text	(electrophoretic near display) and (active near matrix)	(pixel near electrodes) and (common near electrode)	<pre>(dyed near solution ) or (electrophoretic near ink)</pre>	345/107.ccls.	345/55.ccls.	345/87.ccls.	345/92.ccls.	4 or 5 or 6 or 7	TFT or "thin film transistor"	pigment near particles	electrophoretic near ink
Hits	106	2713	613	307	577	2265	678	3733	43919	10944	104
#	1.1	1.2	1.3	L4	1.5	16	1.7	1.8	1.9	L10	L11
Type	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS	BRS
	J	2	3	4	5	9	7	8	6	10	11

	Туре	#	Hits	Search Text	DBs	Time Stamp
12	BRS	112	47	10 and 11	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/11 14:40
13	BRS	113	11	9 and 12	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/11 14:40
14	BRS	L14	26918	driving near voltage	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/11 14:44
15	BRS	L15	3658	driving near voltages	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/11 14:45
16	BRS	L16	124	2 and 15	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/11 14:45
17	BRS	117	25	8 and 16	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/11 14:47
18	BRS		38528	(first near voltage) and (second near voltage)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/11 14:52
13	BRS	L19	148	2 and 18	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB,	2003/03/11 14:52
20	BRS	120	1	11 and 19	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/11 14:52
21	BRS	L21	234	channel and 9 and (organic adj film)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/11 15:06
22	BRS	L22	1	11.and 21	us- 0;	2003/03/11 15:09
23	BRS	L23	17	polysilicon and 9 and 1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/11 15:14

	Issue Date	Pages	Title	Document ID	Current OR	Current XRef
1	20030206	33	Electro-optic display and lamination adhesive	US 20030025855 A1	349/86	
7	20030116	15	Electro-optic display and adhesive composition for use therein	US 20030011867 A1	359/296	
ю	20030116	36	Electrophoretic display comprising optical biasing element	US 20030011560 A1	345/107	
4	20021205	43	Electrophoretic medium and display with improved image stability	US 20020180687 A1	345/107	
72	20021121	26	displays tic particles	US 20020171910 A1	359/296	
9	20020808	33	Fabrication of electronic circuit elements using unpatterned semiconductor layers		438/200	
7	20020523	32	Minimally- patterned, thin-film semiconductor devices for display applications	US 20020060321 A1	257/66	
8	20020328	22	Display device and recording medium		345/107	
6	20020321	21	Electrophoretic display	US 20020033792 A1	345/107	
	20030311	37	Methods for addressing electrophoretic displays	US 6531997 B1	345/107	204/606; 315/169.3; 345/210; 345/87; 345/95; 345/97; 349/35;

	Issue Date	Pages	Title	Document	ID Current	ent OR	Current XRef
11	20030107	25	Addressing methods for displays having zero time-average field	US 6504524	B1 345/107	7.0	315/169.3; 345/210; 345/48; 345/84; 349/86; 359/296;
12	20021029	32	ulated etic ically-addressed rawing device s	US 6473072	B1 345/17	73	345/107; 345/182
13	20020903	18	etic displays and addressing such	US 6445489	B1 359/29	96	44/5
14	20020521	16	Electrophoretic medium provided with spacers	US 6392786	B1 359/29	96	4/ 5/
15	20020521	33	Non-spherical cavity electrophoretic displays and materials for making the same	US 6392785	B1 359/29	96	204/487; 204/606; 264/4; 264/8; 345/107; 427/213.3
16	20020423	15	system for lectronic	US 6376828	B1 250/21	16	345/48
17	20020416	18	c transducer and tic ink display ing piezoelectric	US 6373461	B1 345/107	7.0	310/328; 345/205; 359/296
18	20020108	10	phoretic display and of making the same	US 6337761	B1 359/29	96	345/107
19	20011106	14	annealing process for a thin semiconductor th advantageous	US 6312971	B1 438/99	0	257/E51.006

	Issue Date	Pages	Title	Document ID	Current OR	Current OR Current XRef
20	20011106	21	Assembly of microencapsulated US 6312304 B1 electronic displays	US 6312304 B1	445/24	313/506
21	20020306	21	Active matrix electrophoretic display for liquid crystal television/electronic calculator, has pixel electrodes and common electrodes set to low and high potentials for erasing and rewriting data in ink layer	EP 1184714 A.		

	Issue Date	Pages	Title	Document ID	Current OR	Current XRef
1	20030206	33	Electro-optic display and lamination adhesive	US 20030025855 A1	349/86	
2	20020808	33	Fabrication of electronic circuit elements using unpatterned semiconductor layers	US 20020106847 A1	438/200	
က	20020523	32	atterned, miconductor display	US 20020060321 A1	257/66	
4	20020328	22	Display device and recording medium	US 20020036616 A1	345/107	
5	20020321	21	Electrophoretic display	US 20020033792 A1 .	345/107	
9	20011106	21	Assembly of microencapsulated electronic displays	US 6312304 B1	445/24	313/506
7	20020306	21	• · · · · · · · · · · · · · · · · · · ·	EP 1184714 A		

	Type	# T	Hits	Search Text	DBs	Time Stamp
24	24 BRS			microcapsules and 11	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/11 15:15
25	25 BRS	125	21	24 and 1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
56	26 BRS	BRS L26	7	24 and 1 and 2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/11 15:34

	Issue Date	Pages	Title	Document ID	Current OR	Current XRef
1	20030220	19	Rear electrode structures for displays	US 20030034949 A1	345/107	
2	20030116	36	display al biasing	US A1	345/107	
3	20021205	17	electronic	US 20020181208 A1	361/737	
4	20021205	31	reflective display hromatic	US 20020180688 A1	345/107	
2	20021114	35	Electro-optic device, manufacturing method therefor, and electronic equipment	US 20020167743 A1	359/891	349/5
9	20021003	22	Active matrix display	US 20020140686 A1	345/204	
۷.	20020808	33	Fabrication of electronic circuit elements using unpatterned semiconductor layers	US 20020106847 A1	438/200	
8	20020523	32	oatterned, emiconductor display	US 20020060321 A1	257/66	
6	20020321	21	Electrophoretic display	US 20020033792 A1	345/107	
10	20020214	20	ode structures for		345/107	
11	20020103	30	ses and methods for assemblies	US 20020001046 A1	349/42	

	Issue Date	Pages	Title	Document ID	Current OR	Current XRef
12	20030311	37	Methods for addressing electrophoretic displays	US 6531997 B1	345/107	04/6 15/1 45/2 45/8 45/9 45/9 59/3
13	20030107	25	ssing methods for ays having zero average field	US 6504524 B1	345/107	5/16 5/21 5/21 5/48 5/84 9/86
14	20020903	20	Rear electrode structures for displays	US 6445374 B2	345/107	59/29 59/29
15	20011113	25	s for Le mo	US 6316278 B1	438/22	438/106; 438/23; 438/24
16	20010515	21	Rear electrode structures for displays	US 6232950 B1	345/107	
17	20010123	20	Printable electrode structures for displays	US 6177921 B1	345/107	257/E27.111; 257/E27.117; 257/E51.006; 257/E51.041; 257/E51.049; 359/296; 359/297

	Type	# 니	Hits	Search Text	DBs
Ţ	BRS	1.1	106	(electrophoretic near display) and (active near matrix)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
2	BRS	1.2	2713	(pixel near electrodes) and (common near electrode)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
8	BRS	Г.3	613	(dyed near solution ) or (electrophoretic near ink)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
4	BRS	1.4	307	345/107.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
5	BRS	1.5	577	345/55.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
9	BRS	7.6	2265	345/87.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
7	BRS	1.7	678	345/92.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
8	BRS	Г.8	3733	4 or 5 or 6 or 7	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
6	BRS	67	43919	TFT or "thin film transistor"	us- 'o;
10	BRS	L10	10944	pigment near particles	US- PO; B
11	BRS	L11	104	electrophoretic near ink	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

Type L #	Hits	Search Text	DBs
(		•	: 
7 7 7	47	10 and 11	
113	11	9 and 12	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
114	26918	D (1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L15	3658	driving near voltages	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
ъ16	124	2 and 15	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
117	25	8 and 16	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L18	38528	(first near voltage) and (second near voltage)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
119	148	2 and 18	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L20	1	11 and 19	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
	L16 L17 L19 L20	12 25 38 14	124

	Issue Date	Pages	Title	Document ID
1	20020328	: / /	Display device and recording medium	US 20020036616 A1

	Current OR
1	345/107

1 BF		: :	HICS	Search Text	DBS
	BRS	1.1	106	(electrophoretic near display) and (active near matrix)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
	BRS	1.2	2713	(pixel near electrodes) and (common near electrode)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
3 BF	BRS	Г.3	613	(dyed near solution ) or (electrophoretic near ink)	USPAT; US- EPO; JPO; IBM_TDB
4 BF	BRS	L4	307	345/107.ccls.	
5 BF	BRS	Г.5	577	345/55.ccls.	
6 BF	BRS	Г6	2265	345/87.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
7 BF	BRS	1.7	678	345/92.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
8 BF	BRS	1.8	3733	4 or 5 or 6 or 7	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
9 BF	BRS	ГЭ	43919	TFT or "thin film transistor"	US- o;
10 BF	BRS	L10	10944	pigment near particles	ľ; US- JPO; ľDB
11 BRS	SS	L11	104	electrophoretic near ink	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Type	# 1	Hits	Search Text	DBs
12	12 BRS L12	L12	•	10 and 11	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
13 BRS	BRS L13	L13	<b> </b>	11 9 and 12	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Issue Date	Pages	Title	Document ID	Current OR	Current XRef
1	20030306	14	METHOD AND APPARATUS FOR ENHANCED PERFORMANCE LIQUID CRYSTAL DISPLAYS	US 20030043093 A1	345/87	
2	20030109	15	Liquid-crystal display driving method	US 20030006950 A1	345/87	
m	20030102	84	Liquid crystal display device, method for manufacturing the same, and method for driving a liquid crystal display device	US 20030001809 A1	345/87	
4	20021205	108	Display device method of driving same and electronic device mounting same	US 20020180673 A1	345/87	
Ŋ	20021128	46	Electrooptical apparatus and driving method therefor, liquid crystal display apparatus and driving method therefor, electrooptical apparatus and driving circuit therefor, and electronic equipment	US 20020175887 A1	345/87	
9	20020801	41	em having dulation to alter n electro-optic	US 20020101433 A1	345/589	345/107
7	20020214	22	crystal display using common electrode and a for driving the same	US 20020018035 A1	345/87	
8	20011129	26	Liquid crystal display device	US 20010045926 A1	345/87	
6	20010809	37	Active matrix addressed liquid crystal display device	US 20010011981 A1	345/87	

_	Issue Date	Pages	Title	Document ID	Current OR	Current XRef
10	20030114	23	Liquid crystal panel having tilted liquid crystal molecules and liquid crystal display using the liquid crystal panel	US 6507381 B1	349/130	345/87
1.1	20020924	23	Liquid crystal display	US 6456267 Bl	345/92	345/204; 345/205; 345/206; 345/209; 345/210; 345/214; 345/90; 345/96;
12	20020813	27	Liquid crystal display	US 6433764 B1	345/87	349/38
13	20011218	4.0	Liquid crystal display device and driving method therefor	US 6331845 B1	345/88	345/87; 349/106; 349/110; 349/111
14	20010828	13	Display device and a method of addressing a display device	US 6281866 B1	345/87	345/94; 345/97
15	20001212	13	Liquid crystal display devices capable of improved dot-inversion driving and methods of operation thereof	US 6160535 A	345/88	345/100; 345/87; 345/90; 345/96; 345/98; 349/139;
16	20001031	12	Active matrix liquid crystal display incorporating pixel inversion with reduced drive pulse amplitudes	US 6140990 A	345/92	345/94; 345/98; 345/99

	Issue Date	Pages	Title	Document ID	Current OR	Current XRef
17	20000627	7	Forming images on receivers having field-driven particles and conducting layer	US 6081285 A	347/111	345/107; 359/296
18	20000530	13	Driving method of liquid crystal display device	US 6069620 A	345/214	345/87; 345/92; 345/99
19	19991214	47	Apparatus for driving display apparatus	US 6002384 A	345/95	345/208; 345/89; 345/92
20	19990817	12	Liquid crystal displays with row-selective transmittance compensation and methods of operation thereof	US 5940055 A	345/87	345/205; 345/90; 345/92
21	19990810	29	Two-dimensional image display device and driving circuit	US 5936596 A	345/9	345/87
22	19980908	9	Liquid crystal display device	US 5805128 A	345/96	345/92
23	19980428	23	Liquid crystal display method and apparatus for controlling gray scale display	US 5745087 A	345/89	345/87; 345/90; 349/33; 349/41; 349/46
24	19961001	45	crystal display device ving method therefor	US 5561440 A	345/87	349/110
25	19950314	18	Driving method for a display device	US 5398043 A	345/94	345/92

	Issue Date	Pages	Title	Document ID	Current OR
1	20030306	17	Electrophoretic display with sub relief structure for high contrast ratio and improved shear and/or compression resistance	US 20030043450 A1	359/296
2	20030220	20	lectrophoretic	200300351	359/296
е	20030220	27	ic display with tching	US 20030034950 A1	345/107
4	20030220	19	Rear electrode structures for displays	US 20030034949 A1	345/107
5	20030206	22	Electro-optical device, electronic apparatus, method for forming a colored layer, and method for manufacturing the electro-optical device	US 20030025985 A1	359/296
9	20030130	11	Electrophoretic display with color filters	US 20030021005 A1	359/296
7	20030116	56	Electrophoretic display unit, and driving method thereof	US 20030011869 A1	359/296
8	20030116	26	Electrophoretic displays in portable devices and systems for addressing such displays	US 20030011868 A1	359/296
6	20030116	15	Electro-optic display and adhesive composition for use therein	US 20030011867 A1	359/296
10	20030116	36	ophoreti sing opt t	US 20030011560 A1	345/107
11	20021226	40	display device a ay drive method	US 20020196207 A1	345/55
12	20021205	31	Full color reflective display with multichromatic sub-pixels	US 20020180688 A1	345/107

	Issue Date	Pages	Title	Document ID	Current OR
13	20021205	43	Electrophoretic medium and display with improved image stability	US 20020180687 A1	345/107
14	20021121	26	Electrophoretic displays containing magnetic particles	US 20020171910 A1	359/296
15	20021024	10	Electrochromic-nanoparticle displays	US 20020154382 A1	359/296
16	20020919	16	Apparatus for displaying drawings	US 20020130832 A1	345/107
17	20020711	æ	high reso mical dis	US 20020089487 A1	345/107
18	20020530	23	ADDRESSING SCHEMES FOR ELECTRONIC DISPLAYS	US 20020063661 A1	345/55
19	20020328	22 ·	Display device and recording medium	US 20020036616 A1	345/107
20	20020321	21	Electrophoretic display	US 20020033792 A1	345/107
21	20020214	20	Rear electrode structures for displays	US 20020018042 A1	345/107
22	20020124	37	Electrophoretic display and method for producing same	US 20020008898 A1	359/296
23	20020117	54	Method and circuit for driving electrophoretic display, electrophoretic display and electronic device using same	US 20020005832 A1	345/107
24	20011018	42	Electrophoretic display method and device	US 20010030639 A1	345/107

	Issue Date	Pages	Title	Document ID	Current OR
25	20030311	37	Methods for addressing electrophoretic displays	US 6531997 B1	345/107
26	20030225	36	Electrophoretic display and method for producing same	US 6525865 B2	359/296
27	20030107	25	Addressing methods for displays having zero time-average field	US 6504524 B1	345/107
8	20021126	23	et	US 6486861 B1	345/87
29	20021029	32	ldressed vice	US 6473072 B1	345/173
30	20020910	32	quid crystal flat panel splay with enhanced cklight brightness and ecially selected light arces	US 6448955 B1	345/102
31	20020903	18	Electrophoretic displays and systems for addressing such displays	US 6445489 B1	359/296

	Issue Date	Pages	Title	Document 1	OI OI	Current OR
32	20020903	20	Rear electrode structures for displays	US 6445374 ]	B2 34	5/107
33 8	20020618	52	ay medium, ng method a ng apparatu repetitive e display m	US 6407763 ]	B1 34	347/112
34	20020521	16	Electrophoretic medium provided with spacers	US 6392786 ]	B1 35	359/296
35	20020521	. 33	Non-spherical cavity electrophoretic displays and materials for making the same	US 6392785 1	B1 35	359/296
36	20020430	15	Electronic display	US 6380922 1	B1 34	5/107
37	20020416	18	ectric transducer and phoretic ink display us using piezoelectric cer	US 6373461 ]	B1 34	345/107
38	20020409	7	: 54	US 6369792 ]	B1 34	5/107
39	20020108	10	Electrophoretic display and method of making the same	US 6337761 ]	B1 35	59/296
40	20010515	21	Rear electrode structures for displays	US 6232950 ]	B1 34	345/107
41	20010123	20	Printable electrode structures for displays	US 6177921 1	B1 34	345/107

	Issue Date	Pages	Title	Document ID	Current OR
42	20000326	18	Electronic book with multiple page displays	US 6124851 A	345/206
43	19991109	61	Fabrication of a twisting ball display having two or more different kinds of balls	US 5982346 A	345/85
44	19990406	63	Additive color transmissive twisting ball display	US 5892497 A	345/107
45	19980616	65	Subtractive color twisting ball display	US 5767826 A	345/84
4 6	19980602	63	Highlight color twisting ball display	US 5760761 A	345/107
47	19980512	64	Pseudo-four color twisting ball display	US 5751268 A	345/107
48	19980407	65	or tristate light ng ball display	US 5737115 A	359/296

	Issue Date	Pages	Title	Document ID	Current OR
49	19980210	62	Canted electric fields for addressing a twisting ball display	US 5717515 A	359/296
50	19980210	62	Polychromal segmented balls for a twisting ball display	US 5717514 A	359/296
51	19980113	61	f a wistin	US 5708525 A	359/296
52	19970812	24	Display device	US 5657056 A	345/205
53	19961210	27	etic display hase separation of	US 5582700 A	204/450
54	19950214	10	Writing system including paper-like digitally addressed media and addressing device therefor	US 5389945 A	. 345/85
5 5	19881004	15	Method of producing a substrate structure for a large size display panel and an apparatus for producing the substrate structure	US 4775549 A	427/66

	Issue Date	Pages	Title	Document ID	Current OR	Current XRef
_ [-]	20030116	36	Electrophoretic display comprising optical biasing element	US 20030011560 A1	345/107	
2	20021121	26	Electrophoretic displays containing magnetic particles	US 20020171910 A1	359/296	
м	20020808	33	n of electronic ements using d semiconductor	US 20020106847 A1	438/200	
4	20020523	32	Minimally- patterned, thin-film semiconductor devices for display applications	US 20020060321 A1	257/66	
2	20020321	21	Electrophoretic display	US 20020033792 A1	345/107	
9	20020214	12	Process for fabricating thin film transistors	US 20020019081 A1	438/149	/8
7	20021224	20	Method for forming a patterned semiconductor film	US 6498114 B1	438/780	438/22; 438/36; 438/455; 438/714; 438/82;
	20020521	33	Non-spherical cavity electrophoretic displays and materials for making the same	US 6392785 B1	359/296	204/487; 204/606; 264/4; 264/8; 345/107; 427/213.3
on .	20011106	14	Solvent annealing process for forming a thin semiconductor film with advantageous properties	US 6312971 B1	438/99	257/E51.006

•	Issue Date	Pages	Title	Document ID	Current OR	Current XRef
10	20010717	27	Capsules for electrophoretic displays and methods for making the same	US 6262833 B1	359/296	204/450; 204/606; 264/4; 345/107
11	20010619	33	Retroreflective electrophoretic displays and materials for making the same	US 6249271 B1	345/107	257/E27.111; 257/E27.111; 349/86; 349/89; 359/530; 359/536; 359/538; 359/539;